

## WHAT IS CLAIMED IS:

1           1. A method of providing services usable by a mobile computing  
2 arrangement, comprising:

3                 initiating a device startup sequence of the mobile computing arrangement;  
4                 communicating a capability descriptor of the mobile computing  
5 arrangement to a service provider entity as part of the startup sequence;

6                 selecting a data service targeted for the mobile device based on the  
7 capability descriptor communicated to the service provider; and  
8                 initiating the data service with the mobile computing arrangement.

1           2. The method according to Claim 1, wherein the capability descriptor  
2 comprises a Universal Resource Locator (URL) .

1           3. The method according to Claim 2, wherein the URL references a  
2 User Agent Profile (UAProf) descriptor.

1           4. The method according to Claim 1, wherein the capability descriptor  
2 comprises a User Agent Profile (UAProf) descriptor.

1           5. The method according to Claim 1, wherein the capability descriptor  
2 comprises a User Agent header.

1           6. The method according to Claim 1, wherein the capability descriptor  
2 comprises a terminal model identifier.

1           7. The method according to Claim 1, wherein communicating the  
2 capability descriptor of the mobile computing arrangement comprises communicating the  
3 capability descriptor targeted for the services provider via Short Message Service (SMS).

1               8.     The method according to Claim 1, wherein communicating the  
2 capability descriptor of the mobile computing arrangement comprises communicating the  
3 capability descriptor to the services provider via a wireless network control channel  
4 associated with a network registration of the mobile computing arrangement.

1               9.     The method according to Claim 1, wherein communicating the  
2 capability descriptor of the mobile computing arrangement comprises communicating the  
3 capability descriptor targeted for the services provider via a secondary network interface of  
4 the mobile computing arrangement.

1               10.    The method according to Claim 9, wherein the secondary network  
2 interface of the mobile computing arrangement comprises a wireless local area network  
3 (WLAN) interface.

1               11.    The method according to Claim 9, wherein the secondary network  
2 interface of the mobile computing arrangement comprises a Bluetooth network interface.

1               12.    The method according to Claim 1, further comprising  
2 communicating a capabilities request targeted to the mobile computing arrangement, and  
3 wherein the capability descriptor targeted for the service provider entity is communicated  
4 in response to the capabilities request.

1               13.    The method according to Claim 12, wherein the capabilities request  
2 is communicated via a Wireless Application Protocol (WAP) Over The Air (OTA) Push.

1           14. A system, comprising:  
2            a services provider coupled to a network and adapted for providing data  
3        services to computing arrangements;  
4            a mobile computing arrangement coupled to the network, comprising  
5              a network interface for communicating via the network;  
6              a memory for storing at least one of a services module and a  
7        capability descriptor configured to describe services utilizable by the mobile computing  
8        arrangement; and  
9              a processor coupled to the memory and the network interface, the  
10      processor operable via the services module to  
11              send the capability descriptor to the services provider via the  
12      network interface as part of a startup sequence of the mobile computing arrangement; and  
13              utilize a data service initiated by the services provider based  
14      on the applications capability descriptor.

1           15. The system according to Claim 14, wherein the capability descriptor  
2        comprises a Universal Resource Locator (URL) referencing a User Agent Profile (UAProf)  
3        descriptor.

1           16. The system according to Claim 14, wherein the capability descriptor  
2        comprises a User Agent Profile (UAProf) descriptor.

1           17. The system according to Claim 14, wherein the capability descriptor  
2        comprises a User Agent Profile (UAProf) header.

1           18. The system according to Claim 14, wherein the capability descriptor  
2        comprises a terminal model identifier.

1           19. The system according to Claim 14, wherein the capability descriptor  
2        is communicated to the services provider via Short Message Service (SMS).

1           20. The system according to Claim 14, wherein the capability descriptor  
2 is communicated to the services provider via a wireless network control channel associated  
3 with a network registration of the mobile computing arrangement.

1           21. A mobile terminal communicable with a service provider via a  
2 network, comprising:

3                 a network interface configured to facilitate exchange of data via the  
4 network;  
5                 a memory capable of storing at least one of a services module and a  
6 capability descriptor usable for describing services utilizable by the mobile computing  
7 arrangement; and

8                 a processor coupled to the memory and the network interface, the processor  
9 operable by the services module to:

10                 send the capability descriptor to the service provider via the network  
11 interface as part of a startup sequence of the mobile terminal; and  
12                 utilize a data service initiated by the service provider based on the  
13 capability descriptor.

1           22. The mobile terminal according to Claim 21, wherein the capability  
2 descriptor comprises a Universal Resource Locator (URL) referencing a User Agent  
3 Profile (UAProf) descriptor.

1           23. The mobile terminal according to Claim 21, wherein the capability  
2 descriptor comprises a User Agent Profile (UAProf) descriptor.

1           24. The mobile terminal according to Claim 21, wherein the capability  
2 descriptor comprises a User Agent Profile (UAProf) header.

1           25. The mobile terminal according to Claim 21, wherein the capability  
2 descriptor comprises a terminal model identifier.

1               26.     The mobile terminal according to Claim 21, wherein the capability  
2     descriptor is communicated to the service provider via Short Message Service (SMS).

1               27.     The mobile terminal according to Claim 21, wherein the capability  
2     descriptor is communicated to the services provider via a wireless network control channel  
3     associated with a network registration of the mobile computing arrangement.

1               28.     A computer-readable medium having instructions stored thereon  
2     which are executable by a mobile computing arrangement for performing steps  
3     comprising:

4               detecting a device startup sequence of the mobile computing arrangement;  
5               determining a capability descriptor usable for describing services utilizable  
6     by the mobile computing arrangement;  
7               communicating the capability descriptor of the mobile computing  
8     arrangement to a service provider as part of the startup sequence; and  
9               utilizing a data service initiated by the service provider based on the  
10    capability descriptor communicated to the service provider.

1               29.     The computer-readable medium according to Claim 28, wherein the  
2     capability descriptor comprises a Universal Resource Locator (URL) referencing a User  
3     Agent Profile (UAProf) descriptor.

1               30.     The computer-readable medium according to Claim 28, wherein the  
2     capability descriptor comprises a User Agent Profile (UAProf) descriptor.

1               31.     The computer-readable medium according to Claim 28, wherein the  
2     capability descriptor comprises a User Agent Profile (UAProf) header.

1               32.     The computer-readable medium according to Claim 28, wherein the  
2     capability descriptor comprises a terminal model identifier.

1           33. The computer-readable medium according to Claim 28, wherein the  
2 capability descriptor is communicated to the service provider via Short Message Service  
3 (SMS).

1           34. The computer-readable medium according to Claim 28, wherein the  
2 capability descriptor is communicated to the service provider via a control channel  
3 associated with a wireless network registration of the mobile computing arrangement.